



N20G-00 Polypropylene Impact Copolymer

N20G-00 is a high melt flow rate impact copolymer polypropylene for injection molding applications. It offers very high impact resistance and good stiffness. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.894 g/cc	D792
Melt Flow Rate, 230°C/2.16 kg	—	20 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	3,050 psi	21.2 MPa	
@ Break	2,350 psi	16.2 MPa	
Elongation (2 in/min)			D638
@ Yield	7.9%	7.9%	
@ Break	>300%	>300%	
Flexural Modulus			D790A
1% Secant	132,200 psi	911 MPa	
Notched Izod Impact Strength			D256
@ 23°C	No Break	No Break	
@ - 20°C	1.7 ft-lbf/in	8.8 kJ/m ²	
Hardness			
Rockwell R	67	67	D785
Vicat Softening Point	289 F	143 C	D1525
Heat Deflection Temperature			D648
@ 66 psi (455 kPa)	179 F	82 C	
@ 264 psi (1,820 kPa)	119 F	48 C	
Gloss Units, 60° angle	83	83	D2457
Instrumented Impact			D3763
@ 23 C	Ductile	Ductile	
@ -20 C	Mixed	Mixed	

¹ Typical properties will vary and are not to be used for specifications.

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2600 South Shore Boulevard, Ste. 500
League City, TX 77573
Tel: 281-535-6600
www.ineos-op.com

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at www.ineos-op.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

INEOS Olefins & Polymers, USA

Marina View Building
2600 South Shore Boulevard
Suite 500
League City, Texas 77573
Phone: +1 281 535 6600
Fax: +1 281 535 6764
Customer Service: +1 800 527 5419
Tech Service: +1 800 338 0489
www.ineos-op.com

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